VAISH COLLEGE OF ENGINEERING , ROHTAK

TITLE : REAL - TIME OBJECT TRACKER
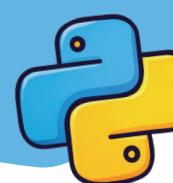
SOFTWARE :

- Python 3.8+
- Flask
- HTML/CSS + JavaScript
- cyberpunk.mp3
- OpenCV (opencv-python)
- Ultralytics YOLOv8
- NumPy

INTELLIVISION

AI-powered detection of objects in real time. Capable of recognizing both living and non-living entities.

HARDWARE :

- Laptop/PC: Runs Python and connects to a camera for processing and model execution.
- Webcam: Provides the video input required for real-time object detection.

FUTURE SCOPE AND APPLICATIONS :

- SECURITY AND SURVEILLANCE
- BORDER CONTROL AND IMMIGRATION
- TRAFFIC MANAGEMENT
- SHOPS & STOCK MONITORING
- CROWD MONITORING
- PUBLIC HEALTH & SAFETY

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